INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/19490

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : F25J 1/00, 3/00; C07C 7/00 US CL : 62/620, 631, 53.2					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 62/62O, 631, 53.2, 45.1, 46.1, 48.1, 50.5					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) None					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *				Relevant to claim No.	
Y	US 4,430,103 A (GRAY et al) 07 February 1984 (07.02.1984), see figures and abstract 1-3,5-1			1-3,5-12,14,15,17-20	
Y	particularly the last sentence. US 6,564,579 B1 (MCCARTNEY) 20 May 2003 (20.05.2003), see figures 2,5 and 6.			1-3,5-12,14,15,17-20	
A	US 3,663,644 A (HARVEY) 16 May 1972 (16.05.1972), see figures.			1-20	
A	US 6,510,706 B2 (STONE et al) 28 January2003 (28.01.2003) see figure.			1-20	
A	US 6,601,406 B1 (DENG et al) 05 August 2003 (05.08.2003), see entire document.			1-20	
A	US 3,849,096 A (KNIEL) 19 November 1974 (19.11.1974), see entire document.			1-20	
A	US 3,857,245 A (JONES) 31 December 1974 (31.12.1974), see entire document.			1-20	
Further documents are listed in the continuation of Box C. See patent family annex.					
• s	Special categories of cited documents: "T" later document published after the i			r the international filing date or priority he application but cited to understand the	
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	polication or patent published on or after the international filing date considered novel or cannot be cons		nnce; the claimed invention cannot be e considered to involve an inventive step		
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priority date clairned			cument member of the san		
Date of the actual completion of the international search Date of mailing of the international search report				nal search report	
03 Septembe	er 2004 (03.09.2004)		OV 2004		
Name and mailing address of the ISA/US			officer	That I have	
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ronn rC1/13	WAID (SECORE SHEEK) (January 2007)				